

## INTERNATIONAL SEARCH REPORT

Internat. Application No

PCT/GD J2/02825

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01F7/14 H /16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01F E05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 759 625 A (ROCKWELL LVS) 26 February 1997 (1997-02-26)  the whole document	1,2,4, 6-9,16, 17, 20-23, 25-34
X	DE 198 06 720 A (BOSCH GMBH ROBERT) 13 August 1998 (1998-08-13)  column 1, line 1 -column 3, line 57; figure 1  -/-	1,2,4, 7-10, 12-17, 35-38

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

17 February 2003

Date of mailing of the international search report

05/03/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Reder, M

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB 02/02825

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 4 755 782 A (YAMAMOTO SEIJI) 5 July 1988 (1988-07-05)</p> <p>column 6, line 23 -column 9, line 64; figures 1-3 column 15, line 48 -column 17, line 60; figures 8,9</p>	<p>1,2,4, 6-8,13, 14,16, 17, 23-25,38</p>
X	<p>PATENT ABSTRACTS OF JAPAN vol. 010, no. 283 (E-440), 26 September 1986 (1986-09-26) &amp; JP 61 102008 A (MATSUSHITA ELECTRIC WORKS LTD), 20 May 1986 (1986-05-20) abstract</p>	<p>1,2,4,6, 8-10, 12-15,38</p>
X	<p>US 4 332 450 A (GRIFFITH GERALD W) 1 June 1982 (1982-06-01) column 3, line 1 -column 5, line 38; figures 1,2</p>	<p>1-6, 8-17,38</p>
A	<p>WO 99 57397 A (KALSI GURBINDER SINGH ;MERITOR LIGHT VEHICLE SYS LTD (GB)) 11 November 1999 (1999-11-11) the whole document</p>	<p>26-34</p>

## INTERNATIONAL SEARCH REPORT

Internat<sup>n</sup>al Application No  
PCT/GB 02/02825

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0759625	A	26-02-1997	EP 0759625 A1	26-02-1997
			WO 9708717 A1	06-03-1997
DE 19806720	A	13-08-1998	DE 3942542 A1	27-06-1991
			DE 19806720 A1	13-08-1998
			AT 109300 T	15-08-1994
			DE 4120149 A1	24-12-1992
			DE 59006647 D1	01-09-1994
			WO 9110242 A2	11-07-1991
			EP 0506799 A1	07-10-1992
			JP 5504445 T	08-07-1993
			RU 2083013 C1	27-06-1997
			US 5394131 A	28-02-1995
US 4755782	A	05-07-1988	EP 0263581 A2	13-04-1988
			GB 2194100 A ,B	24-02-1988
			IT 1218669 B	19-04-1990
			JP 3079854 B	20-12-1991
			JP 63164135 A	07-07-1988
JP 61102008	A	20-05-1986	JP 1668496 C	29-05-1992
			JP 3032897 B	15-05-1991
US 4332450	A	01-06-1982	NONE	
WO 9957397	A	11-11-1999	EP 1277902 A1	22-01-2003
			EP 1275801 A1	15-01-2003
			EP 1084323 A2	21-03-2001
			GB 2369403 A ,B	29-05-2002
			GB 2369404 A ,B	29-05-2002
			WO 9957397 A2	11-11-1999
			GB 2339236 A ,B	19-01-2000
			US 2003006618 A1	09-01-2003